

9

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/526,744
Source: PLT
Date Processed by STIC: 03/03/2006

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 03/03/2006

PATENT APPLICATION: US/10/526,744

TIME: 12:47:09

Input Set : A:\53466395.APP

Output Set: N:\CRF4\03032006\J526744.raw

3 <110> APPLICANT: MAKI, NOBORU
 4 KIMURA, TATSUJI
 5 YAGI, SHINTARO
 7 <120> TITLE OF INVENTION: HBV PRECORE PROTEIN HAVING A PARTICLE-FORMING ABILITY
 9 <130> FILE REFERENCE: 053466-0395
 11 <140> CURRENT APPLICATION NUMBER: 10/526,744
 C--> 12 <141> **CURRENT FILING DATE: 2005-03-07**
 14 <150> PRIOR APPLICATION NUMBER: PCT/JP03/011389
 15 <151> PRIOR FILING DATE: 2003-09-05
 17 <150> PRIOR APPLICATION NUMBER: JP 2002-0761666
 18 <151> PRIOR FILING DATE: 2002-09-06
 20 <160> NUMBER OF SEQ ID NOS: 10
 22 <170> SOFTWARE: PatentIn Ver. 3.3
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 178
 26 <212> TYPE: PRT
 27 <213> ORGANISM: Hepatitis B virus
 29 <220> FEATURE:
 30 <223> OTHER INFORMATION: hepatitis B virus core protein
 32 <400> SEQUENCE: 1
 33 Gln Leu Phe His Leu Cys Leu Ile Ile Ser Cys Ser Cys Pro Thr Val
 34 1 5 10 15
 36 Gln Ala Ser Lys Leu Cys Leu Gly Trp Leu Trp Gly Met Asp Ile Asp
 37 20 25 30
 39 Pro Tyr Lys Glu Phe Gly Ala Ser Val Glu Leu Leu Ser Phe Leu Pro
 40 35 40 45
 42 Ser Asp Phe Phe Pro Ser Ile Arg Asp Leu Leu Asp Thr Ala Ser Ala
 43 50 55 60
 45 Leu Tyr Arg Glu Ala Leu Glu Ser Pro Glu His Cys Ser Pro His His
 46 65 70 75 80
 48 Thr Ala Leu Arg Gln Ala Ile Leu Cys Trp Gly Glu Leu Met Asn Leu
 49 85 90 95
 51 Ala Thr Trp Val Gly Ser Asn Leu Glu Asp Pro Ala Ser Arg Glu Leu
 52 100 105 110
 54 Val Val Ser Tyr Val Asn Thr Asn Met Gly Leu Lys Ile Arg Gln Leu
 55 115 120 125
 57 Leu Trp Phe His Ile Ser Cys Leu Thr Phe Gly Arg Glu Thr Val Leu
 58 130 135 140
 60 Glu Tyr Leu Val Ser Phe Gly Val Trp Ile Arg Thr Pro Pro Ala Tyr
 61 145 150 155 160
 63 Arg Pro Pro Asn Ala Pro Ile Leu Ser Thr Leu Pro Glu Thr Thr Val
 64 165 170 175
 66 Val Arg

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/526,744

DATE: 03/03/2006

TIME: 12:47:09

Input Set : A:\53466395.APP

Output Set: N:\CRF4\03032006\J526744.raw

```

70 <210> SEQ ID NO: 2
71 <211> LENGTH: 20
72 <212> TYPE: PRT
73 <213> ORGANISM: Hepatitis B virus
75 <220> FEATURE:
76 <223> OTHER INFORMATION: part of hepatitis B virus core protein
78 <400> SEQUENCE: 2
79 Gln Leu Phe His Leu Cys Leu Ile Ile Ser Cys Ser Cys Pro Thr Val
80   1           5           10           15
81 Gln Ala Ser Lys
82           20
86 <210> SEQ ID NO: 3
87 <211> LENGTH: 11
88 <212> TYPE: PRT
89 <213> ORGANISM: Hepatitis B virus
91 <220> FEATURE:
92 <223> OTHER INFORMATION: part of hepatitis B virus core protein
94 <400> SEQUENCE: 3
95 Asp Leu His Asp Thr Ala Ser Ala Leu Tyr Arg
96   1           5           10
99 <210> SEQ ID NO: 4
100 <211> LENGTH: 17
101 <212> TYPE: PRT
102 <213> ORGANISM: Hepatitis B virus
104 <220> FEATURE:
105 <223> OTHER INFORMATION: part of hepatitis B virus core protein
107 <400> SEQUENCE: 4
108 Glu Ala Leu Glu Ser Pro Glu His Cys Ser Pro His His Thr Ala Leu
109   1           5           10           15
110 Arg
114 <210> SEQ ID NO: 5
115 <211> LENGTH: 14
116 <212> TYPE: PRT
117 <213> ORGANISM: Hepatitis B virus
119 <220> FEATURE:
120 <223> OTHER INFORMATION: part of hepatitis B virus core protein
122 <400> SEQUENCE: 5
123 Glu Leu Val Val Ser Tyr Val Asn Thr Asn Met Gly Leu Lys
124   1           5           10
127 <210> SEQ ID NO: 6
128 <211> LENGTH: 23
129 <212> TYPE: PRT
130 <213> ORGANISM: Hepatitis B virus
132 <220> FEATURE:
133 <223> OTHER INFORMATION: part of hepatitis B virus core protein
135 <400> SEQUENCE: 6
136 Thr Pro Pro Ala Tyr Arg Pro Pro Asn Ala Pro Ile Leu Ser Thr Leu
137   1           5           10           15
139 Pro Glu Thr Thr Val Val Arg

```

RAW SEQUENCE LISTING

DATE: 03/03/2006

PATENT APPLICATION: US/10/526,744

TIME: 12:47:09

Input Set : A:\53466395.APP

Output Set: N:\CRF4\03032006\J526744.raw

```

140          20
143 <210> SEQ ID NO: 7
144 <211> LENGTH: 5
145 <212> TYPE: PRT
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
150     peptide
152 <400> SEQUENCE: 7
153 Ser Pro Arg Arg Arg
154   1                5
157 <210> SEQ ID NO: 8
158 <211> LENGTH: 9
159 <212> TYPE: PRT
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
164     peptide
166 <400> SEQUENCE: 8
167 Ser Gln Ser Pro Arg Arg Arg Arg Ser
168   1                5
171 <210> SEQ ID NO: 9
172 <211> LENGTH: 19
173 <212> TYPE: PRT
174 <213> ORGANISM: Artificial Sequence
176 <220> FEATURE:
177 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
178     peptide
180 <400> SEQUENCE: 9
181 Ser Thr Leu Pro Glu Thr Thr Val Val Arg Arg Arg Gly Arg Ser Pro
182   1                5                10                15
184 Arg Arg Arg
188 <210> SEQ ID NO: 10
189 <211> LENGTH: 18
190 <212> TYPE: PRT
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
195     peptide
197 <400> SEQUENCE: 10
198 Arg Arg Arg Gly Arg Ser Pro Arg Arg Arg Thr Pro Ser Pro Arg Arg
199   1                5                10                15
201 Arg Arg

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/526,744

DATE: 03/03/2006

TIME: 12:47:10

Input Set : A:\53466395.APP

Output Set: N:\CRF4\03032006\J526744.raw

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date